WHAT IS CLAIMED IS:

1. A compound of the formula:

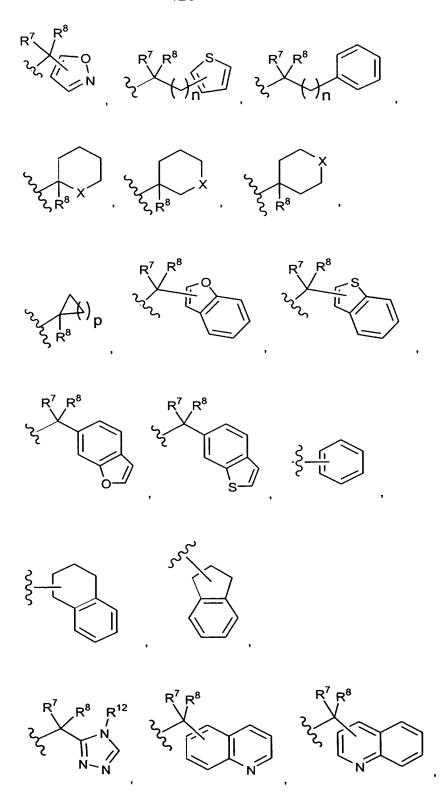
and the pharmaceutically acceptable salts and solvates thereof, wherein:

A is selected from the group consisting of:

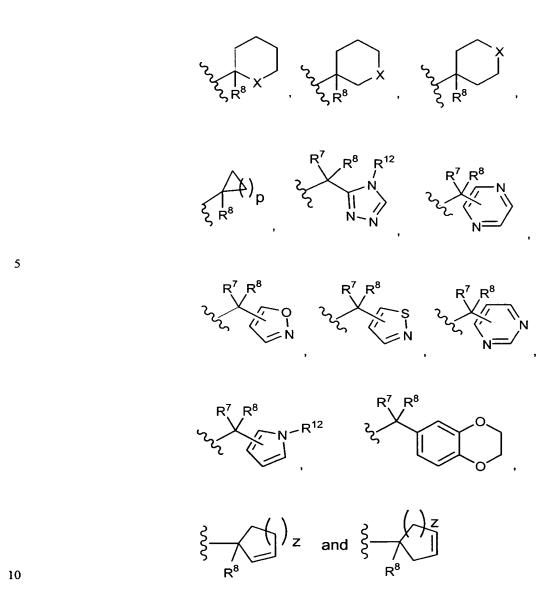
(1)

15

5



$$\begin{cases} R^7 & R^8 \\ N & \end{cases} \qquad \begin{cases} R^8 & \\ R^8 & \end{cases} \qquad \text{and} \qquad \begin{cases} X^2 & \\ R^8 & \end{cases}$$



wherein the above rings of said A groups are substituted with 1 to 6 substituents each independently selected from the group consisting of: R⁹ groups;

(3)

5

wherein one or both of the above rings of said A groups are substituted with 1 to 6 substituents each independently selected from the group consisting of: R⁹ groups;

wherein the above phenyl rings of said A groups are substituted with 1 to 3 substituents each independently selected from the group consisting of: R⁹ groups; and

B is selected from the group consisting of:

5

(1)
$$R^4 \xrightarrow{R^5} R^6$$

provided that R^3 for this group is selected from the group consisting of: -C(O)NR¹³R¹⁴,

$$\begin{cases} R^{31} & R^{13} \\ R^{31} & R^{14} \\ R^{31} & R^{14} \\ R^{30} & R^{30} \end{cases} \text{ and } \begin{cases} R^{13} \\ R^{14} \\ R^{14} \\ R^{14} \\ R^{14} \end{cases}$$

(2)

$$R^{12}$$
 N
 R^{3}
 R^{2}
 R^{2}
 R^{2}

(3)

10 (4)

5

$$\mathbb{R}^{3}$$

$$\mathbb{R}^{2}$$

(5)

$$\mathbb{R}^{12}$$

$$\mathbb{R}^{3}$$

$$\mathbb{R}^{2}$$

434

(6)
$$R^{10} \longrightarrow R^{12}$$

$$R^{3} \longrightarrow R^{2}$$

(7)
$$R_4 \longrightarrow S$$

$$R_2 \longrightarrow S$$

(8)
$$R^3 \longrightarrow N$$

$$R^2 \longrightarrow S$$

. 15

, 5

435

(11)

R⁴

N

(12)

5 OH 5

(13)
$$R^{4} \longrightarrow R^{6}$$

$$R^{3} \longrightarrow N$$

$$OH$$

$$OH$$

10 (14)

(15)

(16)
$$R^{4}$$

$$R^{10}$$

$$R^{10}$$

(17)
$$R^{4} \longrightarrow R^{5}$$

$$R^{11} \longrightarrow R^{6}$$
 ; and

(18)
$$R^{11} \xrightarrow{S} \xrightarrow{Z} Z$$

$$R^{3} \qquad R^{2} \qquad ;$$

n is 0 to 6; p is 1 to 5; X is O, NH, or S; Z is 1 to 3;

5

15

20

 R^2 is selected from the group consisting of: hydrogen, OH, -C(O)OH, -SH, -SO₂NR¹³R¹⁴, -NHC(O)R¹³, -NHSO₂NR¹³R¹⁴, -NHSO₂R¹³, -NR¹³R¹⁴, -C(O)NR¹³R¹⁴, -C(O)NHOR¹³, -C(O)NR¹³OH, -S(O₂)OH, -OC(O)R¹³, an unsubstituted heterocyclic acidic functional group, and a substituted heterocyclic acidic functional group; wherein there are 1 to 6 substituents on said substituted heterocyclic acidic functional group each substituent being independently selected from the group consisting of: R^9 groups;

each R³ and R⁴ is independently selected from the group consisting of: hydrogen, cyano, halogen, alkyl, alkoxy, -OH, -CF₃, -OCF₃, -NO₂, -C(O)R¹³,

-C(O)OR¹³, -C(O)NHR¹⁷, -C(O)NR¹³R¹⁴, -SO_(t)NR¹³R¹⁴, -SO_(t)RR¹³, -C(O)NR¹³OR¹⁴, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl,

$$\begin{cases} R^{31} & R^{13} \\ P - R^{31} \\ 0 & R^{14} \end{cases}$$
 and
$$\begin{cases} R^{13} \\ N \\ N \end{cases}$$
 and
$$\begin{cases} R^{14} \\ R^{14} \\ R^{14} \end{cases}$$

wherein there are 1 to 6 substituents on said substituted aryl group and each substituent is independently selected from the group consisting of: R⁹ groups; and wherein there are 1 to 6 substituents on said substituted heteroaryl group and each substituent is independently selected from the group consisting of: R⁹ groups;

each R⁵ and R⁶ are the same or different and are independently selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, -CF₃, -OCF₃, -NO₂, -C(O)R¹³, -C(O)OR¹³, -C(O)NR¹³R¹⁴, -SO_(t)NR¹³R¹⁴, -C(O)NR¹³OR¹⁴, cyano, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl group; wherein there are 1 to 6 substituents on said substituted aryl group and each substituent is independently selected from the group consisting of: R⁹ groups; and wherein there are 1 to 6 substituents on said substituted heteroaryl group and each substituent is independently selected from the group consisting of: R⁹ groups;

each R⁷ and R⁸ is independently selected from the group consisting of: H, unsubstituted or substituted aryl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted heteroarylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted cycloalkylalkyl, -CO₂R¹³, -CONR¹³R¹⁴, alkynyl, alkenyl, and cycloalkenyl; and wherein there are one or more substituents on said substituted R⁷ and R⁸ groups, wherein each substituent is independently selected from the group consisting of:

- a) halogen,
- b) $-CF_3$.

5

10

15

20

- c) $-COR^{13}$,
- d) $-OR^{13}$,
- e) $-NR^{13}R^{14}$,
- f) $-NO_2$
- g) –CN,
- 30 h) $-SO_2OR^{13}$.

	i)	-Si(alkyl) ₃ , wherein each alkyl is independently selected,
	j)	-Si(aryl) ₃ , wherein each alkyl is independently selected,
	k)	–(R ¹³)₂R ¹⁴ Si, wherein each R ¹³ is independently selected,
	l)	$-CO_2R^{13}$,
5	m)	$-C(O)NR^{13}R^{14}$,
	n)	$-SO_2NR^{13}R^{14}$,
	0)	$-SO_2R^{13}$,
	p)	-OC(O)R ¹³ ,
		40.44

q) $-OC(O)NR^{13}R^{14}$, r) $-NR^{13}C(O)R^{14}$, and

s) $-NR^{13}CO_2R^{14}$;

R^{8a} is selected from the group consisting of: hydrogen, alkyl, cycloalkyl and cycloalkylalkyl;

each R⁹ is independently selected from the group consisting of:

-R¹³, 15 a) halogen, b) -CF₃, c) d) -COR¹³, -OR¹³, e) -NR¹³R¹⁴, 20 f) -NO₂, g) -CN, h) -SO₂R¹³, i) -SO₂NR¹³R¹⁴, j) -NR¹³COR¹⁴, k) 25 -CONR¹³R¹⁴, l) -NR¹³CO₂R¹⁴, m)

> n) o)

> > SYNH N=N NH

-CO₂R¹³,

- p) alkyl substituted with one or more -OH groups,
- q) alkyl substituted with one or more –NR¹³R¹⁴ group, and
- r) $-N(R^{13})SO_2R^{14}$;

5

10

15

20

25

30

each R^{10} and R^{11} is independently selected from the group consisting of R^{13} , hydrogen, alkyl (e.g., C_1 to C_6 , such as methyl), halogen, $-CF_3$, $-OCF_3$, $-NR^{13}R^{14}$, $-NR^{13}C(O)NR^{13}R^{14}$, -OH, $-C(O)OR^{13}$, -SH, $-SO_{(t)}NR^{13}R^{14}$, $-SO_2R^{13}$, $-NHC(O)R^{13}$, $-NHSO_2NR^{13}R^{14}$, $-NHSO_2R^{13}$, $-C(O)NR^{13}R^{14}$, $-C(O)NR^{13}OR^{14}$, $-OC(O)R^{13}$ and cyano;

R¹² is selected from the group consisting of: hydrogen, -C(O)OR¹³, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted alkyl, unsubstituted or substituted cycloalkylalkyl, and unsubstituted or substituted heteroarylalkyl group; wherein there are 1 to 6 substituents on the substituted R¹² groups and each substituent is independently selected from the group consisting of: R⁹ groups:

each R¹³ and R¹⁴ is independently selected from the group consisting of: H, unsubstituted or substituted alkyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted heteroarylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted eterocyclic, unsubstituted or substituted fluoroalkyl, and unsubstituted or substituted heterocycloalkylalkyl (wherein "heterocyloalkyl" means heterocyclic); wherein there are 1 to 6 substituents on said substituted R¹³ and R¹⁴ groups and each substituent is independently selected from the group consisting of: alkyl, -CF₃, -OH, alkoxy, aryl, arylalkyl, fluroalkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, -N(R⁴⁰)₂, -C(O)OR¹⁵, -C(O)NR¹⁵R¹⁶, -C(O)R¹⁵, -SO₂R¹⁵ provided that R¹⁵ is not H, halogen, and -NHC(O)NR¹⁵R¹⁶; or

R¹³ and R¹⁴ taken together with the nitrogen they are attached to in the groups -C(O)NR¹³R¹⁴ and -SO₂NR¹³R¹⁴ form an unsubstituted or substituted saturated heterocyclic ring, said ring optionally containing one additional heteroatom selected from the group consisting of: O, S and NR¹⁸; wherein there are 1 to 3 substituents on the substituted cyclized R¹³ and R¹⁴ groups and each substituent is independently selected from the group consisting of: alkyl, aryl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, arylalkyl, fluoroalkyl, cycloalkyl, cycloalkyl, heteroaryl, heteroarylalkyl,

amino, -C(O)OR¹⁵, -C(O)NR¹⁵R¹⁶, -SO_tNR¹⁵R¹⁶, -C(O)R¹⁵, -SO₂R¹⁵ provided that R¹⁵ is not H, -NHC(O)NR¹⁵R¹⁶, -NHC(O)OR¹⁵, halogen, and a heterocycloalkenyl group;

each R¹⁵ and R¹⁶ is independently selected from the group consisting of: H, alkyl, aryl, arylalkyl, cycloalkyl and heteroaryl;

R¹⁷ is selected from the group consisting of: -SO₂alkyl, -SO₂aryl, -SO₂cycloalkyl, and -SO₂heteroaryl;

R¹⁸ is selected from the group consisting of: H, alkyl, aryl, heteroaryl, -C(O)R¹⁹, -SO₂R¹⁹ and -C(O)NR¹⁹R²⁰;

each R¹⁹ and R²⁰ is independently selected from the group consisting of: alkyl, aryl and heteroaryl;

R³⁰ is selected from the group consisting of: alkyl, cycloalkyl, -CN, -NO₂, or -SO₂R¹⁵ provided that R¹⁵ is not H;

each R³¹ is independently selected from the group consisting of: unsubstituted alkyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl and unsubstituted or substituted cycloalkyl; wherein there are 1 to 6 substituents on said substituted R³¹ groups and each substituent is independently selected from the group consisting of: alkyl, halogen and -CF₃;

each R⁴⁰ is independently selected from the group consisting of: H, alkyl and cycloalkyl; and

t is 0, 1 or 2.

5

10

15

20

25

2. The compound of Claim 1 wherein B is selected from the group consisting of:

(1)

$$R^4$$
 R^5
 R^6
 R^3
 R^2
 R^6

provided that R³ for this group is selected from the group consisting of: -C(O)NR¹³R¹⁴,

$$\begin{cases} R^{31} & R^{13} \\ P - R^{31} & R^{14} \\ N & R^{30} \\ N & R^{30} \\ \end{cases} \text{ and } \begin{cases} N \\ N \\ N \\ R^{14} \\ \end{cases}$$

(2)
$$R^{12} \longrightarrow R^{2}$$

$$R^{3} \longrightarrow R^{2}$$

(3) R^{3} R^{2}

(5)
$$R^{12}$$
 R^{10} R^{2} R^{2}

; and

$$R^{10} \qquad R^{12}$$

(7)
$$R_4$$
 S R_2 S

3. The compound of Claim 1 wherein B is:

wherein R³ is selected from the group consisting of: -C(O)NR¹³R¹⁴,

$$\begin{cases} R^{31} & R^{13} \\ P - R^{31} & R^{14} \\ 0 & R^{30} \end{cases} \text{ and } \begin{cases} R^{13} \\ R^{14} \\ 0 \\ 0 \end{cases}$$

4. The compound of Claim 1 wherein B is:

$$\begin{array}{c|c}
R^{13} \\
R^{14} \\
\end{array}$$

$$\begin{array}{c|c}
R^{4} \\
\end{array}$$

$$\begin{array}{c|c}
R^{5} \\
\end{array}$$

$$\begin{array}{c|c}
R^{6} \\
\end{array}$$

15

5. The compound of Claim 1 wherein B is:

R² is –OH, and R¹³ and R¹⁴ are each the same or different alkyl group.

5

6. The compound of Claim 1 wherein B is

$$R^4$$
 R^5
 R^6
 R^3
 R^2
 R^6

R³ is selected from the group consisting of:

$$\begin{cases} R^{31} & R^{13} \\ P - R^{31} & R^{14} \\ R^{30} & R^{31} \end{cases} \text{ and } \begin{cases} R^{13} \\ R^{14} \\ R^{14} \\ R^{14} \end{cases}$$

10

7. The compound of Claim 1 wherein B is:

and R² is -OH.

The compound of Claim 1 wherein B is 8.

$$\begin{array}{c|c}
R^{13} & R^4 & R^5 \\
R^{14} & N & R^4 & R^6 \\
0 & R^2 & S^6
\end{array}$$

R¹³ and R¹⁴ are each the same or different alkyl group.

5

The compound of Claim 1 wherein B is 9.

10

The compound of Claim 9 wherein R^2 is -OH. 10.

The compound of Claim 9 wherein R¹³ and R¹⁴ are the same or different 11. alkyl group.

15

The compound of Claim 11 wherein the R² substituent is -OH. 12.

20

The compound of Claim 11 wherein R¹³ and R¹⁴ methyl. 13.

The compound of Claim 13 wherein the R² substituent is -OH. 14.

15. The compound of Claim 1 wherein B is selected from the group consisting of:

$$R^{12}$$
 R^{10}
 R^{10}
 R^{10}
 R^{12}
 R^{12}

16. The compound of Claim 1 wherein B is

5

10

- 17. The compound of Claim 16 wherein R¹¹ is H.
- 15. The compound of Claim 16 wherein R² is –OH.
 - 19. The compound of Claim 16 wherein R³ is -C(O)NR¹³R¹⁴.
 - 20. The compound of Claim 16 wherein R² is –OH and R³ is –C(O)NR¹³R¹⁴.

- 21. The compound of Claim 16 wherein R^2 is –OH, R^3 is –C(O)NR¹³R¹⁴, and R^{11} is H.
- The compound of Claim 21 wherein R¹³ and R¹⁴ are each independently selected from the group consisting of: alkyl, unsubstituted heteroaryl and substituted heteroaryl.
- 10 23. The compound of Claim 16 wherein R³ is -S(O)_tNR¹³R¹⁴.
 - 24. The compound of Claim 23 wherein R² is -OH.

15

- 25. The compound of Claim 24 wherein the R¹³ and R¹⁴ substituents are the same or different and are selected from the group consisting of: H and alkyl.
- 26. The compound of Claim 25 wherein each R¹³ and R¹⁴ are independently selected from the group consisting of: H, methyl, ethyl, isopropyl and t-butyl.
 - 27. The compound of Claim 26 wherein R¹³ and R¹⁴ are ethyl.
 - 28. The compound of Claim 1 wherein B is

29. The compound of Claim 1 wherein B is

$$R^3$$
 N R^2 C C

30. The compound of Claim 1 wherein A is

wherein the furan ring is unsubstituted or substituted.

31. The compound of Claim 1 wherein A is

wherein the furan ring is substituted.

5

10

15

32. The compound of Claim 1 wherein A is

wherein the furan ring is substituted with at least one alkyl group.

33. The compound of Claim 30 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.

- 34. The compound of Claim 33 wherein R⁷ is H, and R⁸ is alkyl.
- 35. The compound of Claim 32 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.
 - 36. The compound of Claim 35 wherein R⁷ is H, and R⁸ is alkyl.
 - 37. The compound of Claim 1 wherein A is selected from the group consisting of:

(a)
$$R^{7} R^{8} \qquad R^{7} R^{8} \qquad R^{7} R^{8}$$

15

10

$$\mathcal{L}_{\mathcal{L}}$$
 and $\mathcal{L}_{\mathcal{R}}^{\mathcal{R}}$

wherein the above rings are unsubstituted, or the above rings are substituted with 1 to 3 substituents independently selected from the group consisting of: H, F, Cl, Br, alkyl, cycloalkyl, and $-CF_3$; R^7 is selected from the group consisting of: H, $-CF_3$, $-CF_2CH_3$, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R^8 is H; and

27 R8 R8a

wherein R^7 is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R^8 is H; and R^{8a} is as defined for formula IA.

38. The compound of Claim 4 wherein A is

wherein the furan ring is unsubstituted or substituted.

5

39. The compound of Claim 4 wherein A is

wherein the furan ring is substituted with at least one alkyl group.

10

15

- 40. The compound of Claim 39 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.
- 41. The compound of Claim 40 wherein R⁷ is H and R⁸ is alkyl.
 - 42. The compound of Claim 5 wherein A is

- wherein the furan ring is unsubstituted or substituted.
 - 43. The compound of Claim 42 wherein A is



wherein the furan ring is substituted with at least one alkyl group.

- 44. The compound of Claim 43 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.
 - 45. The compound of Claim 44 wherein R⁷ is H and R⁸ is alkyl.
 - 46. The compound of Claim 9 wherein A is

wherein the furan ring is unsubstituted or substituted.

5

20

25

47. The compound of Claim 9 wherein A is



wherein the furan ring is substituted with at least one alkyl group.

48. The compound of Claim 47 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.

49. The compound of Claim 48 wherein R⁷ is H and R⁸ is alkyl.

50. The compound of Claim 10 wherein A is



wherein the furan ring is unsubstituted or substituted.

51. The compound of Claim 10 wherein A is

wherein the furan ring is substituted with at least one alkyl group.

5

10

- 52. The compound of Claim 51 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.
- 53. The compound of Claim 52 wherein R⁷ is H and R⁸ is alkyl.
 - 54. The compound of Claim 12 wherein A is

- wherein the furan ring is unsubstituted or substituted.
 - 55. The compound of Claim 12 wherein A is

- wherein the furan ring is substituted with at least one alkyl group.
 - 56. The compound of Claim 55 wherein R⁷ and R⁸ are independently selected from the group consisting of: H and alkyl.

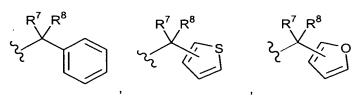
25

57. The compound of Claim 56 wherein R⁷ is H and R⁸ is alkyl.

The compound of Claim 1 wherein: 58.

A is selected from the group consisting of: (1)





5

10

15

20

wherein the above rings are unsubstituted, or the above rings are substituted with 1 to 3 substituents independently selected from the group consisting of: F, Cl, Br, alkyl, cycloalkyl, and -CF₃; R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and

$$\operatorname{R}^7 \operatorname{R}^8$$

wherein R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and R^{8a} is as defined for formula IA;

(2) B is:

$$R^{13}$$
 R^{14}
 R^{14}
 R^{14}
 R^{14}
 R^{15}
 R

wherein:

R² is selected from the group consisting of: H, OH, -NHC(O)R¹³ and -NHSO₂R¹³;

R⁴ is selected from the group consisting of: H, -NO₂, cyano, -CH₃ or -CF₃; R⁵ is selected from the group consisting of: H, -CF₃, -NO₂, halogen and cyano; and

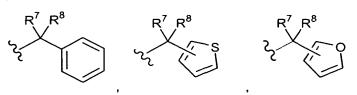
R⁶ is selected from the group consisting of: H, alkyl and -CF₃; and each R¹³ and R¹⁴ is independently selected from the group consisting of: methyl and ethyl.

5

59. The compound of Claim 1 wherein:

(1) A is selected from the group consisting of:

(a)



10

$$\mathbb{Z}_{\mathcal{T}}$$
 and $\mathbb{Z}_{\mathbb{R}^8}$

wherein the above rings are unsubstituted, or the above rings are substituted with 1 to 3 substituents independently selected from the group consisting of: F, Cl, Br, alkyl, cycloalkyl, and –CF₃; R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and

(b)

$$\mathcal{R}^{7} \mathcal{R}^{8}$$

$$\mathcal{R}^{8a}$$

wherein R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and R^{8a} is as defined for formula IA;

20

15

(2) B is selected:

wherein:

 ${\sf R}^2$ is selected from the group consisting of: H, OH, -NHC(O) ${\sf R}^{13}$ and -NHSO₂ ${\sf R}^{13}$:

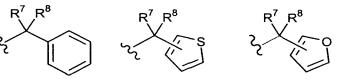
R³ is selected from the group consisting of: -C(O)NR¹³R¹⁴ -SO₂NR¹³R¹⁴, -NO₂, cyano, and -SO₂R¹³;

R¹¹ is selected from the group consisting of: H, halogen and alkyl; and each R¹³ and R¹⁴ is independently selected from the group consisting of: H, methyl, ethyl, isopropyl, and t-butyl.

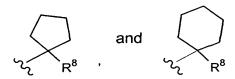
60. The compound of Claim 1 wherein:

A is selected from the group consisting of: (1)

(a)



10



wherein the above rings are unsubstituted, or the above rings are substituted with 1 to 3 substituents independently selected from the group consisting of: F, Cl, Br, alkyl, cycloalkyl, and -CF₃; R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and

wherein R^7 is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and R^{8a} is as defined for formula IA;

> (2) B is selected:

wherein:

5

15

 \mbox{R}^2 is selected from the group consisting of: H, OH, -NHC(O)R 13 and -NHSO $_2\mbox{R}^{13};$

R³ is -SO₂NR¹³R¹⁴;

5

10

15

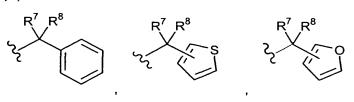
20

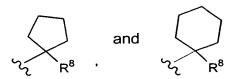
R¹¹ is selected from the group consisting of: H, halogen and alkyl; and each R¹³ and R¹⁴ is independently selected from the group consisting of: H, methyl, ethyl, isopropyl, and t-butyl.

61. The compound of Claim 1 wherein:

(1) A is selected from the group consisting of:

(a)





wherein the above rings are unsubstituted, or the above rings are substituted with 1 to 3 substituents independently selected from the group consisting of: F, Cl, Br, alkyl, cycloalkyl, and $-CF_3$; R^7 is selected from the group consisting of: H, $-CF_3$, $-CF_2CH_3$, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R^8 is H; and

wherein R⁷ is selected from the group consisting of: H, -CF₃, -CF₂CH₃, methyl, ethyl, isopropyl, cyclopropyl and t-butyl; and R⁸ is H; and R^{8a} is as defined for formula IA;

(2) B is selected:

wherein:

 \mbox{R}^2 is selected from the group consisting of: H, OH, -NHC(O)R 13 and -NHSO $_2\mbox{R}^{13};$

R³ is -SO₂NR¹³R¹⁴;

 R^{11} is selected from the group consisting of: H, halogen and alkyl; and each R^{13} and R^{14} is ethyl.

62. The compound of Claim 1 wherein

(1) A is selected from the group consisting of:

(2) B is:

wherein:

5

10

 R^2 is –OH;

R⁴ is selected form the group consisting of: H, -CH₃ and -CF₃;

R⁵ is selected from the group consisting of: H and cyano;

R⁶ is selected from the group consisting of: H, -CH₃ and -CF_{3;}

R¹³ and R¹⁴ are methyl.

63. The compound of Claim 1 wherein

(1) A is selected from the group consisting of:

wherein:

. 5

 R^2 is -OH;

R³ is selected from the group consisting of: -SO₂NR¹³R¹⁴ and -CONR¹³R¹⁴;

R¹¹ is H; and

each R¹³ and R¹⁴ are independently selected from the group consisting of: H,

5 methyl, ethyl, isopropyl and t-butyl.

64. The compound of Claim 1 wherein

(1) A is selected from the group consisting of:

wherein:

5

 R^2 is -OH;

R³ is -SO₂NR¹³R¹⁴;

R¹¹ is H; and

each R^{13} and R^{14} are independently selected from the group consisting of: H, methyl, ethyl, isopropyl and t-butyl.

5

65. The compound of Claim 1 wherein

(1) A is selected from the group consisting of:

wherein:

5

R² is –OH;

 R^3 is $-SO_2NR^{13}R^{14}$; R^{11} is H; and R^{13} and R^{14} are ethyl.

- 5
- 66. The compound of Claim 1 wherein said compound is a calcium salt.
- 67. The compound of Claim 1 wherein said compound is a sodium salt.
- 10
- 68. The compound of Claim 1 wherein said compound is selected from the group consisting of:

69. The compound of Claim 1 selected from the group consisting of:

70. The compound of Claim 1 selected from the group consisting of:

_

- 72. The compound of Claim 71 wherein said compound is a calcium or sodium salt.
 - 73. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

74. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

5

10

75. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

5

76. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

10

77. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

15

78. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

79. The compound of Claim 1 wherein said compound is:

5

or a pharmaceutically acceptable salt or solvate thereof.

10

80. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

15

81. The compound of Claim 1 wherein said compound is:

20

82. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

5

83. The compound of Claim 1 wherein said compound is:

10

or a pharmaceutically acceptable salt or solvate thereof.

15

84. The compound of Claim 1 wherein said compound is:

85. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

5

86. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

87. The compound of Claim 1 wherein said compound is:

15

88. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

5

The compound of Claim 1 wherein said compound is: 89.

or a pharmaceutically acceptable salt or solvate thereof. 10

90.

The compound of Claim 1 wherein said compound is:

15

or a pharmaceutically acceptable salt or solvate thereof.

20

The compound of Claim 1 wherein said compound is: 91.

or a pharmaceutically acceptable salt or solvate thereof.

93. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

94. The compound of Claim 1 wherein said compound is:

or a pharmaceutically acceptable salt or solvate thereof.

95. The compound of claim 1 wherein said compound is:

20

5

10

15

- 96. The compound of Claim 1 selected from the group consisting of the final compounds of Examples 1 to 2088.
- 5 97. The compound of Claim 96 wherein said compound is a calcium or sodium salt of a final compound of Examples 1 to 2088.
- 98. The compound of Claim 1 selected from the group consisting of the final compounds of Examples 2006, 2010, 2015, 2029, 2034, 2035, 2038, 2039, 2047, 2050, 2074, 2079 and 2087.
- 99. The compound of Claim 98 wherein said compound is a calcium or sodium salt of a final compound of Examples 2006, 2010, 2015, 2029, 2034, 2035, 2038, 2039, 2047, 2050, 2074, 2079 and 2087.
- 100. The compound of Claim 83 wherein said compound is a calcium or sodium salt.
 - 101. The compound of Claim 84 wherein said compound is a calcium or sodium salt.

102. The compound of Claim 85 wherein said compound is a calcium or sodium salt.

103. A pharmaceutical composition comprising an effective amount of a compound of Claim 1 in combination with a pharmaceutically acceptable carrier.

30

104. A method of treating a chemokine-mediated disease, in a patient in need of such treatment, wherein the chemokine binds to a CXCR2 and/or CXCR1 receptor in said patient, comprising administering to said patient an effective amount of at least one compound of Claim 1.

5

10

15

20

25

- 105. A method of treating a chemokine-mediated disease, in a patient in need of such treatment, wherein the chemokine binds to a CXC receptor in said patient, comprising administering to said patient an effective amount of at least one compound of Claim 1.
- 106. The method of Claim 104 wherein the chemokine mediated disease is selected from the group consisting of: acute inflammatory pain, chronic inflammatory pain, acute neuropoathic pain, chronic neuropathic pain, acute inflammation, rheumatoid arthritis, psoriasis, atopic dermatitis, asthma, COPD, adult respiratory disease, arthritis, inflammatory bowel disease, Crohn's disease, ulcerative colitis, septic shock, endotoxic shock, gram negative sepsis, toxic shock syndrome, stroke, cardiac and renal reperfusion injury, glomerulonephritis, thrombosis, Alzheimer's disease, graft vs. host reaction, allograft rejections, malaria, acute respiratory distress syndrome, delayed type hypersensitivity reaction, atherosclerosis, cerebral and cardiac ischemia, osteoarthritis, multiple sclerosis, restinosis, angiogenesis, osteoporosis, gingivitis, respiratory viruses, herpes viruses, hepatitis viruses, HIV, Kaposi's sarcoma associated virus, meningitis, cystic fibrosis, pre-term labor, cough, pruritis, multi-organ dysfunction, trauma, strains, sprains, contusions, psoriatic arthritis, herpes, encephalitis, CNS vasculitis, traumatic brain injury, CNS tumors, subarachnoid hemorrhage, post surgical trauma, interstitial pneumonitis, hypersensitivity, crystal induced arthritis, acute and chronic pancreatitis, acute alcoholic hepatitis, necrotizing enterocolitis, chronic sinusitis, angiogenic ocular disease, ocular inflammation, retinopathy of prematurity, diabetic retinopathy, macular degeneration with the wet type preferred and corneal neovascularization, polymyositis, vasculitis, acne, gastric and duodenal ulcers, celiac disease, esophagitis, glossitis, airflow obstruction, airway hyperresponsiveness, bronchiectasis,

bronchiolitis, bronchiolitis obliterans, chronic bronchitis, cor pulmonae, cough, dyspnea, emphysema, hypercapnea, hyperinflation, hypoxemia, hyperoxia-induced inflammations, hypoxia, surgical lung volume reduction, pulmonary fibrosis, pulmonary hypertension, right ventricular hypertrophy, peritonitis associated with continuous ambulatory peritoneal dialysis (CAPD), granulocytic ehrlichiosis, sarcoidosis, small airway disease, ventilation-perfusion mismatching, wheeze, colds, gout, alcoholic liver disease, lupus, burn therapy, periodontitis, transplant reperfusion injury and early transplantation rejection, and chronic inflammation.

10

5

107. A method of treating cancer in a patient in need of such treatment comprising administering to said patient an effective amount of at least one compound of Claim 1.

15

108. A method of treating cancer in a patient in need of such treatment comprising administering to said patient an effective amount of at least one compound of Claim 1 in combination with the administration of at least one anticancer agent.

20

109. The method of Claim 108 wherein said anticancer agent is selected from the group consisting of: alkylating agents, antimetabolites, natural products and their derivatives, hormones, anti-hormones, anti-angiogenic agents and steroids, and synthetics.

25

110. A method of inhibiting angiogenesis in a patient in need of such treatment comprising administering to said patient an effective amount of at least one compound of Claim 1.

30

111. A method of inhibiting angiogenesis in a patient in need of such treatment comprising administering to said patient an effective amount of at least one

compound of Claim 1 in combination with the administration an effective amount of at least one anti-angiogenesis compound.

5

112. A method of treating a disease selected from the group consisting of: gingivitis, respiratory viruses, herpes viruses, hepatitis viruses, HIV, kaposi's sarcoma associated virus and atherosclerosis, in a patient in need of such treatment, comprising administering to said patient an effective amount of at least one compound of Claim 1.

10

113. The method of Claim 112 wherein the chemokine mediated disease is an angiogenic ocular disease.

15

114. The method of Claim 113 wherein said angiogenic ocular disease is selected from the group consisting of: ocular inflammation, retinopathy of prematurity, diabetic retinopathy, macular degeneration with the wet type preferred and corneal neovascularization.

20

115. The method of Claim 107 wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.

25

116. The method of Claim 108 wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.

30

117. The method of Claim 109, wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.

118. The method of Claim 106 wherein said disease is COPD.

5

20

25

- 119. The method of Claim 106 wherein said disease is acute inflammation.
- 120. The method of Claim 106 wherein said disease is rheumatoid arthritis.
- 121. The method of Claim 106 wherein said disease is acute inflammatory pain.
- 122. The method of Claim 106 wherein said disease is chronic inflammatory pain.
 - 123. The method of Claim 106 wherein said disease is acute neuropathic pain.
 - 124. The method of Claim 106 wherein said disease is chronic neuropathic pain.
 - 125. A method of treating a chemokine-mediated disease, in a patient in need of such treatment, wherein the chemokine binds to a CXCR2 and/or CXCR1 receptor in said patient, comprising administering to said patient an effective amount of at least one compound of formula IA:

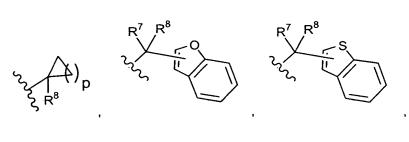
and the pharmaceutically acceptable salts and solvates thereof, wherein:

A is selected from the group consisting of:

(1)

10

$$R^7$$
 R^8
 R^7
 R^8

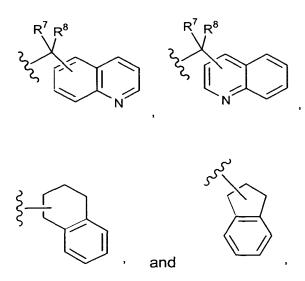


$$\begin{cases} P & P \\ P$$

$$R^7$$
 R^8 R^7 R^8 R^9 R^9

wherein the above rings of said A groups are substituted with 1 to 6 substituents each independently selected from the group consisting of: R⁹ groups;

(3)



wherein one or both of the above rings of said A groups are substituted with 1 to 6 substituents each independently selected from the group consisting of: R⁹ groups;

wherein the above phenyl rings of said A groups are substituted with 1 to 3 substituents each independently selected from the group consisting of: R⁹ groups; and

$$\begin{cases} R^{13} \\ R^{14} \end{cases}$$

B is:

5

15

20

$$R^4$$
 R^5
 R^6
 R^3
 R^2
 R^6

n is 0 to 6; p is 1 to 5; X is O, NH, or S;

Z is 1 to 3:

 R^2 is selected from the group consisting of: hydrogen, OH, -C(O)OH, -SH, -SO₂NR¹³R¹⁴, -NHC(O)R¹³, -NHSO₂NR¹³R¹⁴, -NHSO₂R¹³, -NR¹³R¹⁴, -C(O)NR¹³R¹⁴, -C(O)NHOR¹³, -C(O)NR¹³OH, - S(O₂)OH, -OC(O)R¹³, an unsubstituted heterocyclic acidic functional group; wherein there are 1 to 6 substituents on said substituted heterocyclic acidic functional group each substituent being independently selected from the group consisting of: R^9 groups;

each R^3 and R^4 is independently selected from the group consisting of: hydrogen, cyano, halogen, alkyl, alkoxy, -OH, -CF₃, -OCF₃, -NO₂, -C(O)R¹³, -C(O)NHR¹⁷, -SO_(t)NR¹³R¹⁴, -SO_(t)R¹³, -C(O)NR¹³OR¹⁴, unsubstituted or

substituted aryl, unsubstituted or substituted heteroaryl; wherein there are 1 to 6 substituents on said substituted aryl group and each substituent is independently selected from the group consisting of: R⁹ groups; and wherein there are 1 to 6 substituents on said substituted heteroaryl group and each substituent is independently selected from the group consisting of: R⁹ groups;

5

10

15

20

m)

each R⁵ and R⁶ are the same or different and are independently selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, -CF₃, -OCF₃, -NO₂, -C(O)R¹³, -C(O)OR¹³, -C(O)NR¹³R¹⁴, -SO_(t)NR¹³R¹⁴, -C(O)NR¹³OR¹⁴, cyano, unsubstituted or substituted aryl, and unsubstituted or substituted heteroaryl group; wherein there are 1 to 6 substituents on said substituted aryl group and each substituent is independently selected from the group consisting of: R⁹ groups; and wherein there are 1 to 6 substituents on said substituted heteroaryl group and each substituent is independently selected from the group consisting of: R⁹ groups:

each R⁷ and R⁸ is independently selected from the group consisting of: H, unsubstituted or substituted alkyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted heteroarylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted cycloalkylalkyl, -CO₂R¹³, -CONR¹³R¹⁴, alkynyl, alkenyl, and cycloalkenyl; and wherein there are one or more substituents on said substituted R⁷ and R⁸ groups, wherein each substituent is independently selected from the group consisting of:

```
a)
                                          halogen,
                    b)
                                          -CF_3
                                          -COR<sup>13</sup>.
                    c)
                                          -OR<sup>13</sup>,
                    d)
                                          -NR<sup>13</sup>R<sup>14</sup>,
25
                    e)
                                          -NO<sub>2</sub>,
                    f)
                    g)
                                          -CN,
                                          -SO<sub>2</sub>OR<sup>13</sup>,
                    h)
                                          -Si(alkyl)<sub>3</sub>, wherein each alkyl is independently selected.
                    i)
                                          -Si(aryl)<sub>3</sub>, wherein each alkyl is independently selected.
30
                    j)
                                          -(R<sup>13</sup>)<sub>2</sub>R<sup>14</sup>Si, wherein each R<sup>13</sup> is independently selected,
                    k)
                                          -CO<sub>2</sub>R<sup>13</sup>.
                    I)
                                          -C(O)NR<sup>13</sup>R<sup>14</sup>,
```

- n) $-SO_2NR^{13}R^{14}$,
- o) $-SO_2R^{13}$,
- p) $-OC(O)R^{13}$,
- q) $-OC(O)NR^{13}R^{14}$,
- r) $-NR^{13}C(0)R^{14}$, and
- s) $-NR^{13}CO_2R^{14}$;

R^{8a} is selected from the group consisting of: hydrogen, alkyl, cycloalkyl and cycloalkylalkyl;

each R⁹ is independently selected from the group consisting of:

10 a) $-R^{13}$,

- b) halogen,
- c) -CF₃,
- d) $-COR^{13}$,
- e) $-OR^{13}$,
- f) $-NR^{13}R^{14}$,
- g) $-NO_2$,
- h) -CN,
- i) $-SO_2R^{13}$,
- j) -SO₂NR¹³R¹⁴,
- k) $-NR^{13}COR^{14}$,
- I) -CONR¹³R¹⁴
- m) $-NR^{13}CO_2R^{14}$,
- n) $-CO_2R^{13}$,

o)

25

5

15

20

- p) alkyl substituted with one or more -OH groups,
- q) alkyl substituted with one or more –NR¹³R¹⁴ group, and
- r) $-N(R^{13})SO_2R^{14}$;

R¹² is selected from the group consisting of: hydrogen, -C(O)OR¹³,

unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or

substituted alkyl, unsubstituted or substituted cycloalkylalkyl, and unsubstituted or substituted heteroarylalkyl group; wherein there are 1 to 6 substituents on the substituted R¹² groups and each substituent is independently selected from the group consisting of: R⁹ groups;

5

10

15

20

25

30

each R¹³ and R¹⁴ is independently selected from the group consisting of: H, unsubstituted or substituted alkyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, unsubstituted or substituted arylalkyl, unsubstituted or substituted heteroarylalkyl, unsubstituted or substituted cycloalkyl, unsubstituted or substituted cycloalkylalkyl, unsubstituted or substituted heterocyclic, unsubstituted or substituted fluoroalkyl, and unsubstituted or substituted heterocycloalkylalkyl; wherein there are 1 to 6 substituents on said substituted R¹³ and R¹⁴ groups and each substituent is independently selected from the group consisting of: alkyl, -CF₃, -OH, alkoxy, aryl, arylalkyl, fluroalkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, -N(R⁴⁰)₂, -C(O)OR¹⁵, -C(O)NR¹⁵R¹⁶, -S(O)tNR¹⁵R¹⁶, -C(O)R¹⁵, -SO₂R¹⁵ provided that R¹⁵ is not H, halogen, and -NHC(O)NR¹⁵R¹⁶; or

R¹³ and R¹⁴ taken together with the nitrogen they are attached to in the groups -NR¹³R¹⁴, -C(O)NR¹³R¹⁴, -SO₂NR¹³R¹⁴, -OC(O)NR¹³R¹⁴, -CONR¹³R¹⁴, -NR¹³C(O)NR¹³R¹⁴, -SO₁NR¹³R¹⁴, -NHSO₂NR¹³R¹⁴ form an unsubstituted or substituted saturated heterocyclic ring, said ring optionally containing one additional heteroatom selected from the group consisting of: O, S and NR¹⁸; wherein there are 1 to 3 substituents on the substituted cyclized R¹³ and R¹⁴ groups and each substituent is independently selected from the group consisting of: alkyl, aryl, hydroxy, hydroxyalkyl, alkoxy, alkoxyalkyl, arylalkyl, fluoroalkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, amino, -C(O)OR¹⁵, -C(O)NR¹⁵R¹⁶, -SO₁NR¹⁵R¹⁶, -C(O)R¹⁵, -SO₂R¹⁵ provided that R¹⁵ is not H, -NHC(O)NR¹⁵R¹⁶, -NHC(O)OR¹⁵, halogen, and a heterocycloalkenyl group;

each R¹⁵ and R¹⁶ is independently selected from the group consisting of: H, alkyl, aryl, arylalkyl, cycloalkyl and heteroaryl;

R¹⁷ is selected from the group consisting of: -SO₂alkyl, -SO₂aryl, -SO₂cycloalkyl, and -SO₂heteroaryl;

 R^{18} is selected from the group consisting of: H, alkyl, aryl, heteroaryl, -C(O) R^{19} , -SO₂ R^{19} and -C(O)N $R^{19}R^{20}$;

each R¹⁹ and R²⁰ is independently selected from the group consisting of: alkyl, aryl and heteroaryl;

each R⁴⁰ is independently selected from the group consisting of: H, alkyl and cycloalkyl; and

t is 0, 1 or 2.

5

10

15

20

25

30

The method of Claim 125 wherein the chemokine mediated disease is 126. selected from the group consisting of: acute inflammatory pain, chronic inflammatory pain, acute neuropoathic pain, chronic neuropathic pain, acute inflammation, rheumatoid arthritis, psoriasis, atopic dermatitis, asthma, COPD, adult respiratory disease, arthritis, inflammatory bowel disease, Crohn's disease, ulcerative colitis, septic shock, endotoxic shock, gram negative sepsis, toxic shock syndrome, stroke, cardiac and renal reperfusion injury, glomerulonephritis, thrombosis, Alzheimer's disease, graft vs. host reaction, allograft rejections, malaria, acute respiratory distress syndrome, delayed type hypersensitivity reaction, atherosclerosis, cerebral and cardiac ischemia, osteoarthritis, multiple sclerosis, restinosis, angiogenesis, osteoporosis, gingivitis, respiratory viruses, herpes viruses, hepatitis viruses, HIV, Kaposi's sarcoma associated virus, meningitis, cystic fibrosis, pre-term labor, cough, pruritis, multi-organ dysfunction, trauma, strains, sprains, contusions, psoriatic arthritis, herpes, encephalitis, CNS vasculitis, traumatic brain injury, CNS tumors, subarachnoid hemorrhage, post surgical trauma, interstitial pneumonitis, hypersensitivity, crystal induced arthritis, acute and chronic pancreatitis, acute alcoholic hepatitis, necrotizing enterocolitis, chronic sinusitis, angiogenic ocular disease, ocular inflammation, retinopathy of prematurity, diabetic retinopathy, macular degeneration with the wet type preferred and corneal neovascularization, polymyositis, vasculitis, acne, gastric and duodenal ulcers, celiac disease, esophagitis, glossitis, airflow obstruction, airway hyperresponsiveness, bronchiectasis, bronchiolitis, bronchiolitis obliterans, chronic bronchitis, cor pulmonae, cough, dyspnea, emphysema, hypercapnea, hyperinflation, hypoxemia, hyperoxia-induced inflammations, hypoxia, surgical lung volume reduction, pulmonary fibrosis, pulmonary hypertension, right ventricular hypertrophy, peritonitis associated with continuous ambulatory peritoneal dialysis (CAPD), granulocytic ehrlichiosis, sarcoidosis, small

airway disease, ventilation-perfusion mismatching, wheeze, colds, gout, alcoholic liver disease, lupus, burn therapy, periodontitis, transplant reperfusion injury and early transplantation rejection, and chronic inflammation.

5

20

25

- 127. The method of Claim 125 wherein said chemokine-mediated disease is cancer.
- 128. The method of Claim 127 wherein the compound of formula IA is administered in combination with the administration of at least one anticancer agent.
- 129. The method of Claim 128 wherein said anticancer agent is selected from the group consisting of: alkylating agents, antimetabolites, natural products and their derivatives, hormones, anti-hormones, anti-angiogenic agents and steroids, and synthetics.
 - 130. The method of Claim 125 wherein angiogenesis is inhibitied.
 - 131. The method of Claim 130 wherein the compound of formula IA is administered in combination with the administration of an effective amount of at least one anti-angiogenesis compound.
 - 132. The method of Claim 125 wherein said chemokine-mediated disease is selected from the group consisting of: gingivitis, respiratory viruses, herpes viruses, hepatitis viruses, HIV, kaposi's sarcoma associated virus and atherosclerosis.

- 133. The method of Claim 125 wherein the chemokine mediated disease is an angiogenic ocular disease.
- 134. The method of Claim 133 wherein said angiogenic ocular disease is selected from the group consisting of: ocular inflammation, retinopathy of prematurity, diabetic retinopathy, macular degeneration with the wet type preferred and corneal neovascularization.

15

5

- 135. The method of Claim 127 wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.
- 136. The method of Claim 128 wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.
- 137. The method of Claim 129, wherein the cancer treated is melanoma, gastric carcinoma, or non-small cell lung carcinoma.
 - 138. The method of Claim 106 wherein said disease is chronic inflammation.

25

139. The method of Claim 125 wherein said disease is COPD, acute inflammation, chronic inflammation, rheumatoid arthritis, acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain, chronic neuropathic pain.

140. The method of Claim 106 wherein said compound is:

- 141. The method of Claim 140 wherein said disease is selected from the group consisting of: COPD, rheumatoid arthritis, acute inflammation, chromic inflammation, acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain, and chronic neuropathic pain.
 - 142. The method of Claim 141 wherein said disease is COPD.
 - 143. The method of Claim 141 wherein said disease is rheumatoid arthritis.
 - 144. The method of Claim 141 wherein said disease is acute inflammation or chronic inflammation.
 - 145. The method of Claim 141 wherein said disease is selected from the group consisting of: acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain and chronic neuropathic pain.

20

15

146. The method of Claim 106 wherein said compound is:

- 147. The method of Claim 146 wherein said disease is selected from the group consisting of: COPD, rheumatoid arthritis, acute inflammation, chromic inflammation, acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain, and chronic neuropathic pain.
 - 148. The method of Claim 146 wherein said disease is COPD.
 - 149. The method of Claim 146 wherein said disease is rheumatoid arthritis.
- 15 150. The method of Claim 146 wherein said disease is acute inflammation or chronic inflammation.
- 151. The method of Claim 146 wherein said disease is selected from the group consisting of: acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain and chronic neuropathic pain.
 - 152. The method of Claim 106 wherein said compound is:

10

- 153. The method of Claim 152 wherein said disease is selected from the group consisting of: COPD, rheumatoid arthritis, acute inflammation, chromic inflammation, acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain, and chronic neuropathic pain.
 - 154. The method of Claim 152 wherein said disease is COPD.
 - 155. The method of Claim 152 wherein said disease is rheumatoid arthritis.
- The method of Claim 152 wherein said disease is acute inflammation or 15 chronic inflammation.
- The method of Claim 152 wherein said disease is selected from the group consisting of: acute inflammatory pain, chronic inflammatory pain, acute neuropathic pain and chronic neuropathic pain. 20